

# Pediatric Specimen Collection Tube Guide

for specimens submitted to UCHHealth South Region Laboratories



GOLD OR RED W/GEL - SERUM SEPARATOR (SST)		
Test Name	Min Vol.	Alt Tube
17-Hydroxprogesterone Quant	1ml	Red No Gel, Pink, Green, Dark Green
Acute Hepatitis Panel (HepA, HepBc, HepBs AG/AB, Hep C)	3ml	None
Autoimmune Serology	4ml	None
ANA, Anti-Cardiolipin, Anti-CCP	5ml	Green
ANCA (MPO/PR3)	7ml	None
Anti-DNA, Anti-Mitochondrial, Anti-Smooth Muscle	5ml	Red No Gel
AFP Tumor	3ml	Red No Gel
Alpha-1-antitrypsin	2ml	Red No Gel
Hep B Core IgM Ab	3ml	Red No Gel
Infectious Serology		
CMV, EBV, H. pylori, HSV, Mumps	1ml	None
HIV 1+2, RPR, Rubella, Varicella, West Nile, HCV, HBV	2ml	Red No Gel
Phenobarbital	1.5ml	Green
Pregnancy Qualitative Serum	1ml	None
Thyroid Function Tests (TSH, Free T4, Free T3, Total T3, Total T4)	4.5ml	Red No Gel
Apolipoprotein	2.5ml	None
Ceruloplasmin	1ml	Red No Gel
DHEAS	2ml	Green, Lavender
Digoxin	1.5ml	Red No Gel
F-Actin (Smooth Muscle) IgG	1ml	Red No Gel
Ferritin	0.5ml	Green
Growth Hormone	1.5ml	Green, Lavender
Haptoglobin	1.5ml	Red No Gel
Insulin	1.5ml	Red No Gel
Kappa: Lambda Free Light Chains	1.5ml	Red No Gel
Lithium	1ml	Red No Gel
Mono Screen	1ml	Lavender
Osmolality	0.5ml	None
PSA free	1.5ml	None
Quad screen	2.5ml	None
Serum Protein Electrophoresis	6ml	None
Testosterone Free and Total	2.5ml	None
Thyroglobulin	4.5ml	None
Thyroid Antibodies	4.5ml	Red No Gel
Vancocycin	1.5ml	Red No Gel
Vitamin D, 25-hydroxy	1ml	Red No Gel
West Nile	2ml	None



RED NO GEL		
Test Name	Min Vol.	Alt Tube
Amikacin, Glycols, Isopropanol, Keppra, Lamotrigine, Lidocaine, Mixed Alcohols, Pentobarbital, Phenytoin Free, Thiocyanate	See test catalog	None
Methotrexate	1ml	Gold/Green


## = Protect specimens from light  
\*\* = Specimen sent on Ice, time sensitive!

This document serves as a guide only. Please visit our lab test catalog on the source for more detailed collection requirements.


<https://www.testmenu.com/MemorialHospital>

Hospital Laboratory Services  
University of Colorado  
(719)365-5260


Memorial




GREEN WITH GEL - LITHIUM HEPARIN (LiHep)		
Test Name	Min Vol.	Alt Tube
Basic Metabolic Panel (BMP)	0.5ml	Red/Gold
Comprehensive Metabolic Panel (CMP)	0.5ml	Red/Gold
Electrolyte Panel (Lytes)	1ml	Red/Gold
Hepatic Function Panel	0.5ml	Red/Gold
Iron Studies (Iron/Transferrin/%Saturation)	1ml	Red/Gold
Lipid Panel (Chol, Trig, HDL, LDL)	0.5ml	Red/Gold
Renal Function Panel	0.5ml	Red/Gold
Acetaminophen	1.5ml	Red/Gold
Ammonia **	0.5ml	None
Amylase	0.5ml	Red/Gold
Anti-Streptolysin O	1ml	Red/Gold
Beta-HCG Tumor Marker	4.5ml	Red/Gold
Beta-Hydroxybutyrate (BHOB)	4.5ml	None
C-Peptide	1.5ml	Red/Gold
C3	0.5ml	Red/Gold
C4	0.5ml	Red/Gold/Lav
CA 19-9	2x 1ml	Red/Gold
CA 125	2x 1ml	Red/Gold
CA 15-3	2x 1ml	Red/Gold
CEA	2x 1ml	Red/Gold
Carbamazepine	1ml	Red/Gold
Carboxyhemoglobin	1ml	None
CRP/hsCRP	2x 1ml	Red/Gold
CK Total	1ml	Red/Gold
CK MB	1ml	Red/Gold
Cortisol	1ml	Red/Gold
Estradiol	1ml	Red/Gold
Ethanol	1ml	Red/Gold
Folate ##	1ml	Red W/ Gel
FSH	1ml	Red/Gold
GGT	1ml	Red/Gold
Gentamicin	1ml	Red/Gold
Homocystine **	1ml	Gold/Lavender
IgA/IgG/IgM	0.5ml	Red/Gold
Ionized Calcium **	1ml	Dark Green
Lactic Acid **	1ml	Red/Gold
LDH	1ml	Red/Gold
LH	1ml	Red/Gold
Lipase	1ml	Red/Gold
Magnesium	1ml	Red W/ Gel
Myoglobin	1ml	Red No Gel, Dark Green, Lavender
Neonatal Bili ##	0.5ml	Red/Gold
Phenytoin	0.5ml	Red/Gold
Phosphorus	0.5ml	Red/Gold
Prealbumin	0.5ml	None
Prolactin	0.5ml	Red/Gold
Progesterone	0.5ml	Red/Gold
ProNT-BNP	0.5ml	Red/Gold
PSA	1ml	Dark Green/Lav
PTH	0.5ml	Lavender
Rheumatoid Factor	1ml	Red/Gold
Rubella IgG	1ml	Red/Gold
Salicylate	0.5ml	Red/Gold
Theophylline	0.5ml	Red/Gold
Tobramycin	1ml	Red/Gold
Topnin I	1ml	Red/Gold
Uric Acid	0.5ml	Red/Gold
Valproic acid	1ml	Red W/ Gel
Vit B12	0.5ml	Red/Gold
Vit B6 ##	1ml	Red/Gold/Lav
Vit C ***	1ml	None




LIGHT BLUE - SODIUM CITRATE		
Test Name	Min Vol.	Alt Tube
<b>COAGULATION TESTING:</b>		
Antithrombin III activity	1.8ml	None
APC Resistance	1.8ml	None
D-dimer	1.8ml	None
FDP (special blue top tube)	1.8ml	None
Fibrinogen	1.8ml	None
Heparin level (LMWH 7 Unfractionated)	1.8ml	None
Lupus anticoagulant testing	1.8ml	None
Partial thromboplastin time (PTT)	1.8ml	None
Platelet Function assay	1.8ml	None
Protein C & S	1.8ml	None
Prothrombin time (PT)	1.8ml	None
Specific factor activity	2.7ml	None
Specific factor inhibitor	2x 2.7ml	None
Thrombin Time	1.8ml	None
Von Willebrand factor	1.8ml	None




LAVENDER - EDTA (Lav EDTA)		
Test Name	Min Vol.	Alt Tube
Complete Blood Count (CBC)	0.5ml	None
ACTH (Pre-chilled tube) **	1.5ml	Pink
ESR (Sed Rate)	0.5ml	None
Flow Cytometry	1ml	None
Hemoglobin A1c	0.5ml	None
Hemoglobin Electrophoresis	0.2ml	None
Sickle Screen	0.2ml	None
RBC Folate ##	1ml	None
Reticulocyte Count	0.5ml	None
Cyclosporin, Sirolimus, Tacrolimus	1ml	None
CORD Blood	2ml	None




PINK - EDTA		
Test Name	Min Vol.	Alt Tube
Fetal Screen. KB, DAT, Type and Screen	<4mo 1ml >4mo 3ml	Lav
HIV by PCR (quantitative, genotype, phenotype)	See test catalog	Lav
CMV and HCV by PCR	0.5ML	Lav



GRAY 10mg/8mg OXALATE WITH FLOURIDE		
Test Name	Min Vol.	Alt Tube
GTT (Glucose Tolerance Testing)	0.5ml	Gold/Green



ROYAL BLUE 10.8mg K2 EDTA		
Test Name	Min Vol.	Alt Tube
Lead and Heavy Metal Testing	1ml	None



YELLOW ACID-CITRATE-DEXTROSE		
Test Name	Min Vol.	Alt Tube
HAL Testing	10ml	Lav 5ml
Alph-galactosidase	4ml	None
Arylsulfatase A	5ml	None

Order of Draw: Blood Culture-Light Blue-Red/Gold (SST)-Green-Purple/Pink-Grey-Royal Blue-Yellow ACD

Heelstick/Fingerstick Order of Draw (Microtainer): Purple-Grey-Green-Gold (SST)-Red no Gel